18/11/2015 54,511 م برکوات Project-2 Ka=0,01 1 Kt = 10 A = 1 m2 $\frac{1}{1}$ B = 1/2 R a = 1 J = 2Ka = 0.01 Kn = 0.1 (Hardware only)

Controller de zul i 5 u Dévi e ples $\frac{Por}{V_{q}(s)} = \frac{S(Las + Ra)(Js + B) + SK_{\ell} K_{b}}{S(Las + Ra)(Js + B) + SK_{\ell} K_{b}}$ $T, F = \frac{\Theta(s)}{V_0(s)} * Kq * \frac{1}{As}$ As2 (LaS+Ra) (JS+B) + As2 K+ Kb Task-1 Olise Black 5 outs head Il Compensator Task 2 Il Jai 16 mell wied

PID PID Action present (Proportional) cp = Kp e(t) Past (Integral) (offset)
(steay state) C = K; Se(t) Future ed = Kd de = - Kd dy (Differential)
hike headen hike head comp. (Dynamics) C = Cp + Ci + Cd PID = KpS+Ki+KaS2 task 3 * Integral windup * Derivolize Kick 3 search for it as PID Problem